

Falcon 9 Characteristics

Characteristic	1st stage	2nd stage
Specific Impulse sea level, s	311	-
Specific Impulse vacuum, s	282	348 s
Thrust, kN	7607 (sea level);8227 (Vacuum)	934 (Vacuum)
Payload ratio		
Exhaust Speed		
Burn time, s	162	397
Engines	9	1
Expansion ratio	16	117
Chamber Pressure, MPa	9,7	9,7
Payload to LEO/GTO, kg	22800/8300	

http://www.spacex.com/sites/spacex/files/falcon_9_users_guide_rev_2.0.pdf

<http://spaceflight101.com/spacerockets/falcon-9-v1-1-f9r/>